

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Products Research and Chemical Corporation		EMERGENCY TELEPHONE NO. (213) 242-6815
ADDRESS (Number, Street, City, State, and ZIP Code) 5454 San Fernando Road, Glendale, CA 91203		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS PRO-SEAL 501 Base
CHEMICAL FAMILY Polysulfide base	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1.3
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	0.1-2%
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Nil		
APPEARANCE AND ODOR Amber paste-mercaptan odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Over 230°F. closed cup	FLAMMABLE LIMITS N/A	Lel	Uel
EXTINGUISHING MEDIA Dry chemical, carbon dioxide, foam, water spray			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE AND EXPLOSION HAZARDS None			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	Unavailable for mixture.
EFFECTS OF OVEREXPOSURE	May cause irritation of skin or mucous membranes.
EMERGENCY AND FIRST AID PROCEDURES	Flush thoroughly with water, use soap on skin. If accidentally ingested, consult physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Avoid strong oxidizing agents.			
HAZARDOUS DECOMPOSITION PRODUCTS SO ₂ , CO ₂ , H ₂ O, upon combustion.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Clean up spillage with rags and/or sweeping compound and solvents.
WASTE DISPOSAL METHOD	Waste disposal should be in accordance with Federal, State and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) In confined areas. Cannister type		
VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	Recommended	EYE PROTECTION Recommended
OTHER PROTECTIVE EQUIPMENT Coveralls or aprons.		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Do not ingest. Store in closed container below 80°F.
OTHER PRECAUTIONS	None

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SECTION I

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ADDRESS (Number, Street, City, State, and ZIP Code) 5454 San Fernando Road, Glendale, CA 91203		
CHEMICAL NAME AND SYNONYMS N/A		TRADE NAME AND SYNONYMS PRO-SEAL 501 Accelerator
CHEMICAL FAMILY N/A	FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST Dimethyl benzyl hydro			ALLOYS		
VEHICLE peroxide	20-25		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1.1
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Nil		
APPEARANCE AND ODOR Viscous clear liquid-faintly sweet odor.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	180°F. closed cup	FLAMMABLE LIMITS	N/A	Lel	Uel
EXTINGUISHING MEDIA	Dry chemical, CO ₂ , foam, water				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Unknown

EFFECTS OF OVEREXPOSURE May cause irritation of skin or mucous membranes.

EMERGENCY AND FIRST AID PROCEDURES

If skin contact occurs wash with soap and water.

If eye contact occurs, flush thoroughly with water, and consult physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	High temperature.

INCOMPATIBILITY (Materials to avoid) Avoid strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS CO₂, H₂O upon combustion.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up spillage with rags or sweeping compound and solvents.

WASTE DISPOSAL METHOD

Waste disposal should be in accordance with Federal, State and Local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) In confined areas, cannister type.

VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES Neoprene EYE PROTECTION Safety glasses.

OTHER PROTECTIVE EQUIPMENT Coveralls, aprons

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact and ingestion. Store below 80°F.

OTHER PRECAUTIONS

None